SANTO

Combinaciones de refrigeradores y congeladores

Refrigerator/Freezer Combinations

Combinações frigorífico/congelador

Instrucciones de Servicio

Operating Instructions

Instruções de utilização

Dear customer,

Before placing your new refrigerator/freezer into operation please read these operating instructions carefully. They contain important information for safe use, for installation and for care of the appliance.

Please keep these operating instructions for future reference. Pass them on to possible new owners of the appliance.

These operating instructions are for use with several technically comparable models with varying accessories. Please observe the notes which apply to your model.

Notes which are important for your safety or for the proper functioning of the appliance are stressed with a warning triangle and/ or with signal words **(Warning!, Caution!, Attention!)**. Please observe the following carefully.

This symbol guides you step by step in the operation of the appliance.

Supplementary information regarding operation and practical applications of the appliance appear after this symbol.

Tips and notes concerning economical and environmentally sound use of the appliance are marked with the cloverleaf.

Explanations of the technical terminology used in the operating instructions can be found at the end in the section "Technical Terminology".

The operating instructions contain instructions for the correction of possible malfunctions by the user in the section "What to do if...". If these instructions should not be sufficient, please contact your local Service Force Centre.

Printed on paper manufactured with environmentally sound processes.
he who thinks ecologically acts accordingly ...

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⚠ Safety

The safety of our refrigerators/freezers is in accordance with recognised technological standards and appliance safety legislation. We nevertheless feel that it is important to acquaint you with the following safety guidelines:

Use for Intended Purpose

- The refrigerator/freezer is intended for household use. It is suited for the refrigeration, freezing and frozen storage of foods as well as the preparation of ice. If the appliance is used for purposes other than those intendet or used incorrectly, no liability can be accepted by the manufacturer for any damage that may be caused.
- Alterations or changes to the refrigerator/freezer are not permitted for reasons of safety.
- If you use the refrigerator/freezer in a commercial application or for purposes other than the refrigeration, freezing or frozen storage of foods, please observe all valid legal regulations for your application.

Prior to initial start-up

- Check the refrigerator/freezer for transport damage. Do not under any circumstances connect a damaged appliance! Please contact your supplier in the event of damage.

Refrigerant

The refrigerant isobutane (R600a) is contained within the refrigerant circuit of the appliance, a natural gas with a high level of environmental compatibility, which is nevertheless flammable.

- During transportation and installation of the appliance, be certain that none of the components of the refrigerant circuit become damaged.
- If the refrigerant circuit should become damaged:
  – avoid open flames and sources of ignition;
  – thoroughly ventilate the room in which the appliance is situated.

Safety for Children

- Packaging materials (e.g. films, styrofoam) can be dangerous for children. Danger of suffocation! Keep packaging materials away from children!
- Before disposing of old appliances make them inoperable. Remove plug from mains, sever the power cable, remove or destroy any snap or latch closures. This eliminates the danger that playing children lock themselves into the appliance (danger of suffocation!) or place themselves into other life-endangering situations.

- Children often do not recognise the dangers involved with household appliances. Please provide for the necessary supervision and do not allow children to play with the appliance!

Daily Operation

- Containers with flammable gases or fluids can develop leaks through contact with the cold. Danger of explosion! Do not store containers with flammable substances, such as aerosol cans, refill cartridges for cigarette lighters etc. in the refrigerator/freezer.
- Bottles and cans may not be placed in the freezer compartment. They can burst when the contents freeze - or even explode if the contents contain carbonic acid! Never place sodas, juices, beer, wine, champagne etc. into the freezer compartment. Exception: Spirits with high alcohol content may be stored in the freezer compartment.
- Do not place ice cream or ice cubes directly from the freezer compartment into the mouth. Very cold ice can freeze to the lips or tongue and cause injury.
- Never touch frozen goods with wet hands. Hands can freeze to the goods.
- Do not operate any electrical appliances in the refrigerator/freezer (e.g. electric ice cream makers, mixers etc.).
- Before cleaning the appliance switch off and remove the plug from the mains, or switch off or turn out the circuit breaker or fuse.
- When unplugging always pull the plug from the mains socket, do not pull on the cable.

In case of malfunction

- If a malfunction should occur at the appliance, refer first to the section "What to do if ..." in these operating instruction. If the instructions in this section are not sufficient, do not undertake any further work on your own.
- Refrigerators/feezers may only be repaired by trained personnel. Repairs carried out by untrained personnel can lead to substantial danger. Please contact your dealer or our customer service department for repairs.

Disposal

Appliance Packaging Information

All materials are environmentally sound! They can be dumped or burned at an incinerating plant without danger!

About the materials: The plastics can be recycled and are identified as follows:

>PE< for polyethylene, e.g. the outer covering and the bags in the interior.
>PS< for polystyrene foam, e.g. the pads, which are all free of chlorofluorocarbon.

Disposal of old Appliances

The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

⚠ **Warning!** Before disposing of old appliances make them inoperable. Remove plug from mains, sever the power cable, remove or destroy any snap or latch closures. This eliminates the danger that playing children lock themselves into the appliance (danger of suffocation!) or place themselves into other life-endangering situations.

Disposal:

- The refrigerant circuit, especially the heat exchanger at the back of the appliance, may not be damaged.

Appliance Transport

☞ Two persons are required for transport of the appliance.

In order to push the appliance into its final position, press carefully at the top of the upper door and tip the appliance back slightly. The weight is then transferred to the back wheels and the appliance can be easily pushed.

Remove transport safeguard

☞ The appliance as well as interior accessory parts are safeguarded for transport.

Remove all tape and pads from the interior of the appliance.

Installation

Installation Location

The appliance should be set up in a well ventilated, dry room.

Energy use is affected by the ambient temperature.
The appliance should therefore
- not be exposed to direct sunlight;
- not be installed next to radiators, cookers or other sources of heat;
- only be installed at a location whose ambient temperature corresponds to the climate classification, for which the appliance is designed.

The climate classification can be found on the serial plate, which is located at the left on the inside of the appliance.

The following table shows which ambient temperature is correct for each climate classification:

Climate classification	for an ambient temperature of
SN	+10 bis +32 °C
N	+16 bis +32 °C
ST	+18 bis +38 °C
T	+18 bis +43 °C

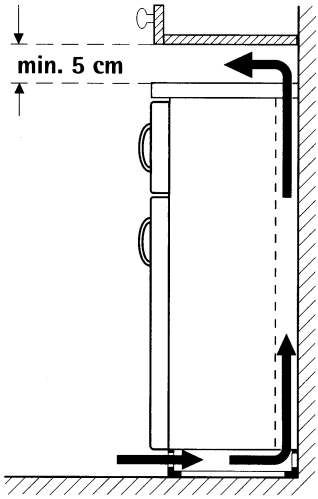
If installation next to a source of heat is unavoidable, the following minimum clearances must be maintained at the sides of the appliance:
- for electric cookers 3 cm;
- for oil and coal fired ranges 30 cm.

If these clearances cannot be maintained a heat insulating pad is required between the cooker and the refrigeration appliance.

The refrigerator/freezer needs air

Air is fed under the door through the vent slots in the base and is exhausted upwards along the back wall. To ensure proper air circulation never cover or alter the vent openings.

Attention! If the appliance is installed under, for example, a hanging cabinet, a clearance of at least 5 cm between the top of the appliance and the cabinet above it must be maintained.

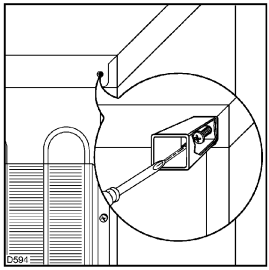


Appliance Alignment

☞ The appliance must have a solid, level footing. Please compensate for unevenness in the floor by turning the two adjustable feet at the front in or out.

In the documentation bag you will find two spacers that must be mounted as shown in the figure in the back of your appliance.

Please loosen the screw under its head and then unloosen again.



Electrical Connection

A properly installed socket outlet with earthing contact is required for electrical connection. Electrical fuse protection must be of at least 10 ampere.

☞ If the outlet socket is no longer accessible after installation of the appliance, appropriate measures must be taken during electrical installation to assure that the appliance can be disconnected from the mains (e.g. fuse, circuit breaker, non-operate current safety-switch or the like, with a contact opening of at least 3 mm).

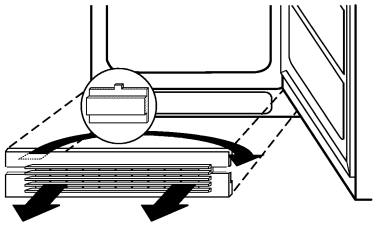
Before initial start-up, refer to the appliance serial plate to ascertain if supply voltage and current values correspond with those of the mains at the installation location.

Changing Over The Door Hinges

The door hinges can be changed from right (as supplied) to left if required to suit the location where the appliance is installed.

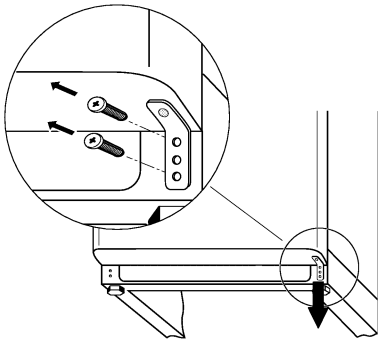
Warning! The appliance must not be plugged into the mains when the door hinges are being changed over. Unplug from the mains first.

☞ Open the freezer compartment door and remove the pedestal cover to the front. Move the door bearing cover on the pedestal cover from the left to the right.



☞ With the freezer compartment door closed, remove the cross-head screws from the lower door bearing and remove the door bearing downwards.

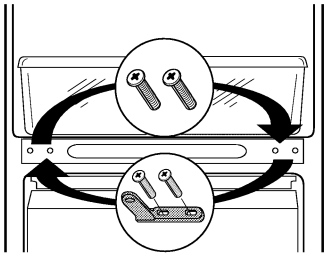
Using a 10 mm flat wrench, unscrew the door bolt from the lower right-hand side of the freezer compartment door and screw it in again on the opposite side.



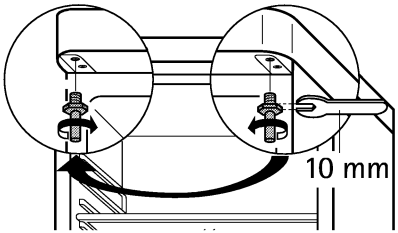
☞ Remove freezer compartment door carefully to the front and set aside.

☞ Unscrew the centre door bearing.

☞ Remove the fridge compartment door carefully to the front and place on one side.

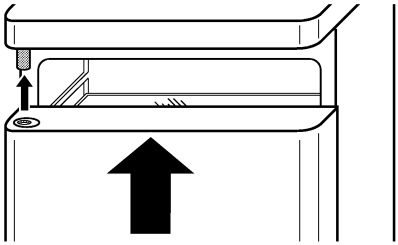


☞ Reposition upper pivot pin to the left side.

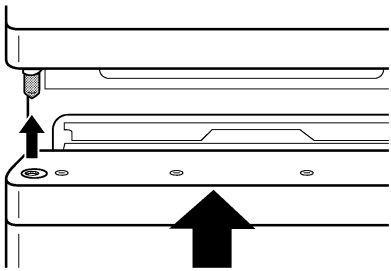


☞ Carefully push refrigerator door onto upper pivot pin and close.

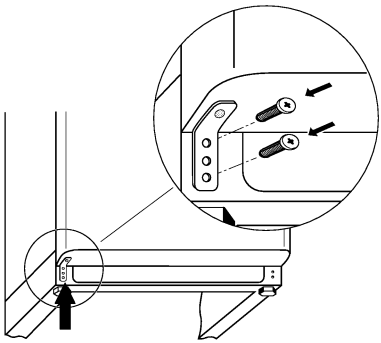
☞ Slide the centre door bearing into the bottom left of the fridge compartment door and fasten to the housing.



☞ Carefully slide the freezer compartment door onto the centre bearing pivot and close.

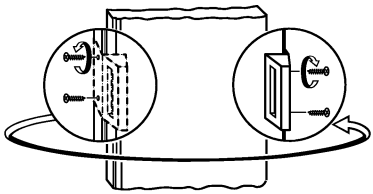


☞ Place the lower door bearing in the bearing pivot of the freezer compartment door and fasten.



☞ Move the door handles from the left to the right and cover the remaining holes with the hole cover pins attached.

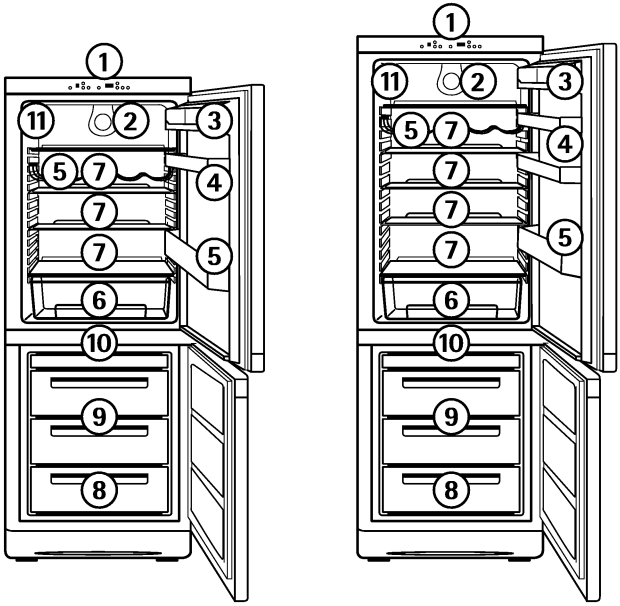
☞ Fit the plinth again.



Appliance Description

View of Appliance

(various models)



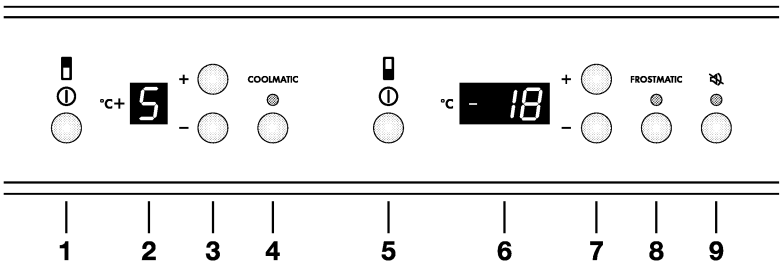
① Control panel and elements
② Dynamic air cooling system
③ Butter and cheese compartment with lid
④ Door storage compartments
⑤ Bottle compartment
⑥ Fruit and vegetable drawers
⑦ Shelves
⑧ Drawer for frozen goods (for storage and freezing)
⑨ Drawers for frozen goods (only for storage)
⑩ Freezer tray
⑪ Rating plate

Freezer tray

A freezer tray is located above the upper drawer in the freezer compartment, this tray contains one ice tray.

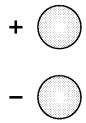
You can pre-freeze, for example, individual berries on the freezer tray. Advantage: the berries are not squashed; they retain their original shape. The frozen berries can then be stored in the drawers, packed in portions.

Control Panel



1 ON/OFF button for refrigerator
2 Temperature display for refrigerator
3 Buttons for adjusting the temperature for refrigerator
4 COOLMATIC button with COOLMATIC indicator light (yellow)
5 ON/OFF button for freezer compartment
6 Temperature display for freezer compartment
7 Buttons for adjusting the temperature for freezer compartment
8 FROSTMATIC button with FROSTMATIC indicator light (yellow)
9 WARNING OFF button with warning indicator light (red)
(see section: "Control and Information Systems")

Buttons for Adjusting the Temperature



The temperature is adjusted using the „+" (WARMER) and „-" (COLDER) buttons.

These buttons are connected to the temperature display.

- The temperature display is switched over from the display of the ACTUAL temperature (Temperature display is illuminated) to the display of the DESIRED temperature (Temperature display flashes) by pressing one of the two buttons, „+" (WARMER) or „-" (COLDER).
- Each time one of the two buttons is pressed again the DESIRED temperature is adjusted by 1 °C.
- If neither button is pressed, the temperature display automatically switches back after a short period (approx. 5 sec.) to the display of the ACTUAL temperature.

DESIRED temperature means:
The temperature that has been selected for inside the fridge or the freezer compartment. The DESIRED temperature is indicated by flashing numbers.

ACTUAL temperature means:
The temperature display indicates the current temperature inside the fridge or the freezer compartment. The ACTUAL temperature is indicated with illuminated numbers.

Temperature Displays

The temperature displays shows several types of information.

- During normal operation, the temperature currently present in the fridge or the freezer compartment (ACTUAL temperature) is displayed.
- When the temperature is being adjusted a flashing display indicates the fridge or the freezer compartment temperature currently set (DESIRED temperature).
- If there is a fault in the appliance the temperature display shows:
  - a square in the refrigerator compartment's temperature display indicates a malfunction in the refrigerator compartment,
  - a square in the freezer compartment's temperature display indicates a malfunction in the freezer compartment.

Prior to Initial Start-Up

Before connecting the appliance to the mains and putting it into operation for the first time, leave the appliance to stand for 30 minutes if was transported upright. After transport on its side, the appliance must be left to stand for 4 hours before putting it into operation. This is necessary to allow the oil to flow back into the compressor. Otherwise the compressor may be damaged.

☞ Please clean the appliance interior and all accessories prior to initial start-up (see section: "Maintenance and Cleaning").

Initial Start-Up

Refrigerator and freezer compartments can be operated and controlled independently of one another.

☞ Insert plug into mains socket.

Refrigerator Start-Up

☞ Press refrigerator ON/OFF button.

The flashing red warning light indicates that the required storage temperature has not yet been reached.

☞ Set the refrigerator to the desired temperature (see section: "Temperature Adjustment").

Temperature range that can be set: +2 °C to +8 °C.

Goods to be refrigerated can be loaded immediately after switching on, because the storage temperature in the refrigerator is quickly reached.

Freezer Compartment Start-Up

☞ Press freezer compartment ON/OFF button.

A warning tone sounds and the flashing red warning light indicates that the required storage temperature has not yet been reached.

☞ Press the WARNING OFF button to switch off the warning tone.

The warning tone switches off automatically after one hour, if it is not switched off by hand.

☞ Set temperature to -18 °C or colder (see section: "Temperature Adjustment").
Temperature range that can be set: -15 °C to -24 °C.

☞ Do not load freezer with goods until a temperature of -18°C has been reached, or until the red warning display has gone out.

Temperature Adjustment

With the individual buttons for temperature adjustment the desired temperatures in the refrigerator and in the freezer compartment can be adjusted independently of one another.

☞ Press either the „+" (WARMER) or „-" (COLDER) button.
The temperature display switches over and the DESIRED temperature currently set flashes on the temperature display.

☞ To adjust to a warmer temperature, press the „+" button. To adjust to a colder temperature, press the „-" button. The changed setting is immediately displayed on the temperature display.

The temperature is adjusted by one display field with each press of a button.

From a food science point of view, +5 °C for the refrigerator compartment and -18 °C for the freezer compartment should be considered cold enough as a storage temperature.

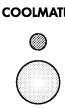
☞ When the buttons are not further pressed after an adjustment has been made, after a short period (approx. 5 sec.) the temperature display switches over and again displays the ACTUAL temperature in the refrigerator- or freezer compartment. The display changes from flashing to illuminated numbers.

The compressor will start and then operate automatically.
Tip: The compressor will not start up immediately when the setting is changed if automatic defrosting is taking place at that moment.

Important! Please check red warning display and temperature display regularly to assure maintenance of the storage temperature.

COOLMATIC/FROSTMATIC

COOLMATIC



The COOLMATIC function is suited for quick cooling of large quantities of goods in the refrigerator, e.g. drinks and salads for a party.

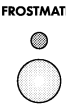
☞ The COOLMATIC function is switched on by pressing the COOLMATIC button. The yellow light illuminates.

The COOLMATIC function now provides for intensive cooling. A DESIRED temperature of +2 °C is automatically selected. The COOLMATIC function is ended automatically after a period of 6 hours. The originally

selected DESIRED temperature is again valid. The temperature display shows the ACTUAL refrigerator temperature.

☞ The COOLMATIC function can be ended manually at any time by pressing the COOLMATIC button again. The yellow light goes out.

FROSTMATIC



The FROSTMATIC function provides for quick freezing of fresh food products, and at the same time protects previously stored goods against undesired warming in the freezer compartment.

☞ The FROSTMATIC function is switched on by pressing the FROSTMATIC button. The yellow light illuminates.

☞ The FROSTMATIC function can be ended manually at any time by pressing the FROSTMATIC button again. The yellow light goes out.

If the FROSTMATIC function is not ended manually, the appliance electronics switch off the FROSTMATIC function after 48 hours. The yellow light goes out.

Switching the Appliance Off

ℹ Refrigerator and freezer compartments can be switched off independently of one another.

☞ To turn off either part of the appliance, press and hold down the relevant ON/OFF button for approx. 1 second. The temperature display will go out.

Note:
The appliance cannot be switched on or off if unplugged, or if there is no power being supplied to it.
Following connection to the mains power supply, the appliance returns to the same operating state as before the interruption of main power.

If the appliance is to be removed from service for a lengthy period:

☞ To turn off the appliance, press and hold down both ON/OFF buttons for approx. 1 second. The temperature display will go out.

☞ Remove the mains plug or switch off.

☞ Defrost freezer compartment and clean the appliance thoroughly (see section: "Maintenance and Cleaning").

☞ Leave doors open to avoid accumulation of odours.

Control and Information Systems

The control and information systems consist of temperature displays, an optical warning display and an acoustic warning.
The system warns:
- when first switching on the appliance (when the storage temperature has not yet been attained);
- if the appliance doors are open
- if the temperature in the refrigerator or freezer compartment is too high;
- if there are functional disturbances at the appliance.

"Open Door"-Warning

If the fridge or freezer door is left open the red warning display will flash and an acoustic warning tone will sound

- after approx. 5 minutes if the fridge door is left open

If you need more time to load or rearrange refrigerated or frozen foods, you can switch off the warning tone by pressing the WARNING OFF button.
If the doors are still left open the warning tone will sound again at the end of the appropriate period of time.
The red warning display will go off when the doors are closed.

Temperature Warning

The red warning display flashes and an audible warning sounds, as soon as the temperature in the freezer compartment is warmer than -11 °C.
A rise in temperature may be caused by:
- frequent door opening for long periods of time;
- loading with large quantities of warm foods;
- high ambient temperature;
- an error of the appliance.

The audible warning can be switched off with the WARNING OFF button. Both warning display and audible warning are automatically switched off, when the ACTUAL temperature in the freezer compartment falls below -11 °C.

The warning tone switches off automatically after 80 minutes, also if the ACTUAL temperature is still at variance with the DESIRED temperature. The red warning light continues to flash.

Function Errors

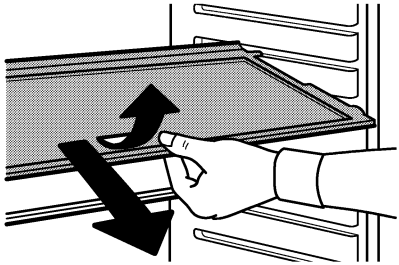
If the electronics in the appliance detects a technical defect that has to be rectified by the customer, the temperature display indicates:
– a square in the refrigerator compartment's temperature display indicates a malfunction in the refrigerator compartment,
– a square in the freezer compartment's temperature display indicates a malfunction in the freezer compartment.
The appliance will continue to function using a backup program until customer service has repaired the appliance.

Interior Accessories

Storage Shelves

☞ One glass storage shelf must be inserted into the lower guide track above the fruit and vegetable trays. It must always remain in this position, so that fruits and vegetable remain fresh longer.

The remaining storage shelves can be adjusted to various heights:



☞ Pull the storage shelf forward until it can be tipped up or down and removed.

☞ To insert at a different height use the same procedure in reverse.

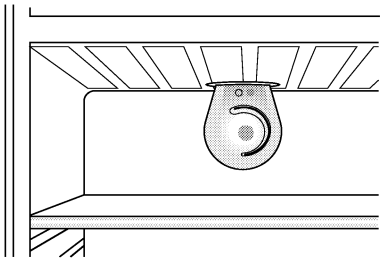
Variable Inner Door

The door compartments can be pulled up and removed, and inserted at other positions as needed.

Dynamic Air Cooling System

The dynamic air cooling system can be used for better cooling efficiency at high ambient temperature (above 25 °C) and high quantity of stored food in the refrigerator compartment to get:

- Quicker refrigeration
- More homogeneous temperature



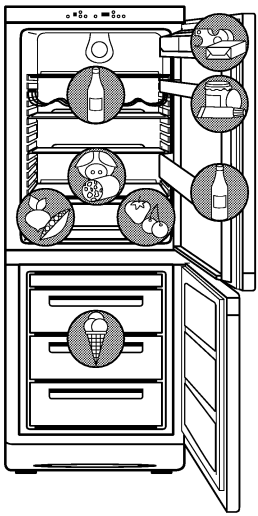
☞ To start the dynamic air cooling system push the button on the fan housing. The green pilot light comes on.

☞ To switch off push the button again. The green pilot light goes out.

The cooling process is more efficient when the dynamic cooling system is in operation. The temperature should be set such that a large build-up of frost is avoided.

Proper Storage

Different temperature zones exist within the refrigerator due to the laws of physics. The coldest zone is at the bottom storage shelf above the fruit and vegetable trays. The warmer zones are found at the uppermost storage shelves and in the door compartments. The arrangement example shows at which places in the refrigerator suitable temperatures for various types of foods exist.
Goods should only be frozen in the bottom drawer of the freezer compartment, but rather only stored in the two upper drawers.



Tip: Foods should always be pakkaged or covered in the refrigerator, in order to avoid odour or flavour contamination to other refrigerated goods.

The following are suited for pakkaging:
- plastic bags and wraps of polyethylene;
- plastic containers with lids;
- special plastic covers with elastic seals;
- aluminium foil.

Opening the Freezer Compartment Door

If the freezer compartment door is closed when the appliance is in operation, it is possible that it cannot be immediately opened again. A vacuum occurs in the freezer compartment which holds the door closed until pressure has been equalised. The door can be opened again after several minutes.

Freezing

The bottom drawer is best suited for freezing, and the two upper drawers are to be used in the storage of frozen items.

Attention!

- Before foods are frozen, the actual temperature in the freezer compartment must be -18°C or colder.
- Please observe indicated freezing capacity on the rating plate. The freezing capacity represents the maximum amount of fresh goods that can be frozen within 24 hours. If you freeze goods on several days, one after the other, freeze amounts equal to 2/3 to 3/4 of the capacity indicated on the rating plate.
- Thawed foods which have not been processed further (cooked into meals) may not under any circumstances be frozen a second time.

☞ For freezing the maximum capacity press the FROSTMATIC button 24 hours prior to freezing, or 4 to 6 hours for smaller quantities. Yellow indicator lights up.

ⓘ The FROSTMATIC button need not be pressed for freezing of small quantities of up to 3 kg.

☞ All foods must be packed air tight prior to freezing, so that they do not dry out or lose their flavour, and so that no flavour contamination of other frozen goods occurs.

Caution! Do not touch frozen goods with wet hands. Hands can freeze to the goods.

☞ Place packaged goods in the drawers. Unfrozen goods may not come into contact with already frozen goods, otherwise the frozen goods may start to thaw.

ⓘ The appliance electronics automatically switch the FROSTMATIC function off after a period of 48 hours. Yellow indicator light goes out. You can also stop the FROSTMATIC function manually by pressing the FROSTMATIC button again.

Tips:

- The following are suited for the packaging of frozen goods:
  – freezer bags and polyethylene wraps;
  – plastic containers for frozen foods;
  – extra-thick aluminium foil
- The following are suited for sealing bags and wraps:
  plastic clips, rubber bands or adhesive tape.
- Press air out of bags and wraps before sealing, because air encourages drying of frozen goods.

- Make flat packages, because these freeze more quickly.
- Do not fill plastic containers for frozen foods to the brim with liquid or paste-like goods, because liquids expand during freezing.

Frozen Storage

Warning! Before initial loading of the freezer compartment with previously frozen goods, the required storage temperature of -18°C must be reached.

- Load freezer only with packaged frozen goods, so that they do not dry out or lose their flavour, and so that no flavour contamination of other frozen goods can occur.
- Please observe maximum storage times and expiry dates of frozen goods.

In so far as possible store frozen goods separately according to type in drawers. Thus you have a better overview, avoid opening the door for long periods and therefore save energy.

Preparation of Ice Cubes

☞ Fill ice cube tray 3/4 full with cold water and place in the freezer tray or a drawer in the freezer compartment and allow to freeze.

☞ To remove the finished ice cubes twist the ice cube tray or hold under running water for a short time.

Warning! Do not, under any circumstances, free an ice tray which is frozen to the appliance with pointed or sharp edged objects. Use a spoon-handle or similar object.

Storage Goods Symbols/Freezing Calendar

(not included with all models)

- The symbols on the drawers show different types of frozen goods.

- The numbers indicate storage times in months for the appropriate types of frozen goods. Whether the upper or lower value of the indicated storage time is valid depends on the quality of the foods and pre-treating before freezing. The lower value applies to foods with high fat content.

Defrosting

The refrigerator is defrosted automatically

The integrated evaporator on the rear wall of the refrigerator compartment is defrosted fully automatically.
The water collects in the discharge trough at the back wall of the refrigerator, and is fed through the discharge opening in the catch tray at the compressor where it is evaporated.

Freezer Compartment Defrosting

Moisture is precipitated in the form of white frost in the freezer compartment during operation and when the door is opened, especially in the middle at the top. Remove this white frost from time to time with a soft plastic scraper, e.g. a dough scraper. Do not under any circumstances use hard or pointed objects for this purpose.

The appliance should be defrosted when the thickness of the white frost has reached about 4 mm; but at least once a year in any case. A convenient time for defrosting is any time when the appliance is empty, or only minimally loaded.

Warning!

- Do not use electrical heating appliances or any other mechanical or artificial devices to speed up the defrosting process, with the exception of those recommended in these operating instructions.
- Do not use defrosting sprays, because they may be health endangering and/or contain substances damaging to plastics.

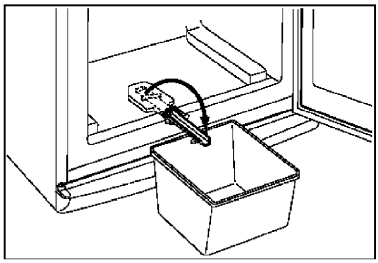
☞ About 12 hours prior to defrosting push the FROSTMATIC button, in order to build up sufficient chill reserve for the interruption in operation.

Caution! Do not touch frozen goods with wet hands. Hands can freeze to the goods.

☞ Remove frozen goods, pack them in several layers of newspaper, cover them and store them in a cool place.

☞ Switch off refrigerator and freezer and remove plug from the mains, or switch off or turn out the circuit breaker or the fuse.

☞ Remove all the drawers. Place a bowl directly in front of the appliance to collect the water from defrosting and pull out the water drain conduit.



Tip: In order to speed up the defrosting process, place a pot of hot water in the freezer compartment. In addition, remove pieces of ice that break away before defrosting is complete.

☞ After defrosting thoroughly clean the freezer interior, as well as interior accessories (see section: "Cleaning and Maintenance").

Cleaning and Maintenance

For hygienic reasons the appliance interior, including interior accessories, should be cleaned regularly.

Warning!

- The appliance may not be connected to the mains during cleaning. Danger of electrical shock! Before cleaning switch the appliance off and remove the plug from the mains, or switch off or turn out the circuit breaker or fuse.
- Never clean the appliance with a steam cleaner. Moisture could accumulate in electrical components, danger of electrical shock! Hot vapours can lead to the damage of plastic parts.
- The appliance must be dry before it is placed back into service.

Attention!

- Ethereal oils and organic solvents can attack plastic parts, e. g.
  - lemon juice or the juice from orange peals;
  - butyric acid;
  - cleansers which contain acetic acid.

  Do not allow such substances to come into contact with appliance parts.
- Do not use any abrasive cleansers.

If the refrigerator only is to be cleaned, press the FROSTMATIC button several hours in advance, in order to build up sufficient chill reserve in the freezer compartment for the interruption in service. Do not open the freezer compartment door.

☞ Defrost freezer compartment before cleaning (see section: "Defrosting").

☞ Switch off refrigerator and freezer and remove plug from the mains, or switch off or turn out the circuit breaker or the fuse.

☞ Clean the appliance and the interior accessories with a cloth and luke-warm water. Commercially available dish washing detergents may also be used.

☞ After cleaning wipe with fresh water and rub dry.

☞ Check the water discharge opening at the back wall of the refrigerator. A clogged water discharge opening can be freed with the help of a wire.

☞ Regularly check the door seals and wipe clean to ensure they are clean and free from debris.

Accumulation of dust at the condenser reduces cooling performance and increases energy consumption. For this reason carefully clean the condenser at the back of the appliance once a year with a soft brush or a vacuum cleaner.

☞ After everything is dry place appliance back into service.

Energy Saving Tips

- Do not install the appliance near cookers, radiators or other sources of warmth. High ambient temperatures cause longer, more frequent operation of the compressor.
- Ensure sufficient air circulation and exhaust at the appliance base and at the back wall of the appliance. Never cover air vent openings.
- Do not place warm foods into the appliance. Allow warm foods to cool first.
- Only leave door open as long as necessary.
- Do not set temperature any colder than necessary.
- Place frozen goods into the refrigerator for thawing. Cold from frozen goods is thus used for cooling in the refrigerator.
- Always keep the condenser at the back of the appliance clean.

What to do if ...

Correcting Malfunctions

Perhaps a malfunction has been caused by a minor error, which you can correct yourself with the help of the following instructions. Do not attempt any further repairs if the following instructions do not help in each specific case.

Warning! Refrigerators/freezers may only be repaired by trained personnel. Repairs carried out by untrained personnel can lead to substantial danger for the user. Please contact your dealer or our customer service department for repairs.

Malfunction	Possible cause	Remedy
The appliance is not working, and the temperature display is dark.	Appliance is not switched on.	Switch appliance on.
	Mains plug is not inserted or is loose.	Insert mains plug.
	Fuse has blown or is defective.	Check fuse, replace if necessary.
	Mains socket is defective.	Mains malfunctions are to be corrected by an electrician.
Warning tone sounds, red warning display is flashing, doors are closed.	Temperature warning for freezer.	Please check in "Control and Information System" section.
Temperature display shows a square.	There is a function fault.	Please inform customer service. Do not open the doors of the appliance again.
Appliance cools too much.	Temperature is set too cold.	Turn the temperature to a warmer setting temporarily.
	Dynamic Air Cooling system is switched on.	Turn the temperature to a warmer setting while the Dynamic Air Cooling system is switched on.

Malfunction	Possible cause	Remedy
The refrigerator and/or freezer compartment temperature is insufficient.	Temperature is not properly adjusted.	Please refer to the section "Temperature Adjustment".
	Door was open for a long time.	Only leave the door open as long as necessary.
	Within the last 24 hours a large quantity of warm foods were loaded.	Press COOLMATIC and/or FROSTMATIC button.
	Appliance is next to a source of warmth.	Please refer to the section "Installation Location".
Water on the floor or on storage shelves.	Water drain hole is blocked.	See the "Maintenance and Cleaning" section.
Interior illumination does not function.	Light bulb is defective. Important: The interior lighting switches off automatically after 20 minutes.	Please refer to "Replace Light Bulb " section.
Large accumulation of frost in the appliance, perhaps also at the door seal.	Door is not properly sealed (perhaps after re-hanging door).	Carefully warm the door seal with a hand-held hair dryer at those points which are not airtight (no warmer than approx. 50°C). At the same time, shape the warmed door seal by hand, so that it is again properly seated.
Unusual noises.	Appliance is not level.	Readjust the front levelling feet.
	Appliance is in contact with wall or other objects.	Push appliance away a short distance.
	A part at the back of the appliance, e.g. a tube, is in contact with another appliance part or the wall.	Bend this part away carefully if necessary.
The compressor does not start immediately after pressing the COOLMATIC or FROSTMATIC button, or after changing the temperature setting.	This is normal, no error has occurred.	The compressor starts after a period of time.

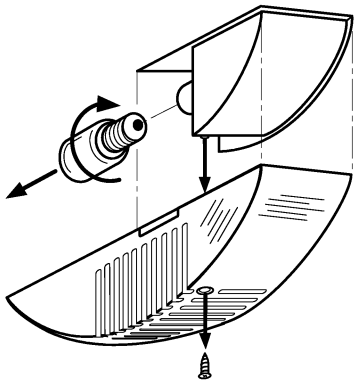
Replace light bulb

For safety reasons the interior lighting switches off after 20 minutes when the door is open. It switches on again the next time the door is opened.

Warning! Danger of electrical shock! Before replacing the light bulb switch off the appliance and remove the mains plug.

Light bulb specifications: 220-240 V, max. 25 W, fitting: E 14

- To switch the appliance off press both ON/OFF buttons for a second. The temperature display extinguishes.
- Unplug the mains plug.
- To change the light bulb, undo the cross head screw and remove the light bulb cover downwards.
- Change the defective light bulb.
- Refit the light bulb cover and the cross head screw.



Noises during Operation

The following noises are characteristic of refrigeration appliances:

- **Clicks**
  Whenever the compressor switches on or off, a click can be heard.
- **Humming**
  As soon as the compressor is in operation, you can hear it humming.
- **Bubbling/Splashing**
  When refrigerant flows into thin tubes, you can hear bubbling or splashing noises. Even after the compressor has been switched off, this noise can be heard for a short time.

Regulations, Standards, Guidelines

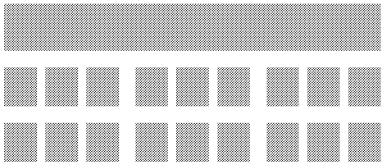
This appliance was designed for household use and was manufactured in accordance with the appropriate standards. The necessary measures in accordance with appliance safety legislation regulations (GSG), accident prevention regulations for refrigeration appliances (VBG 20) and the regulations of the German Society of Electrical Engineers (VDE) were observed in the manufacture of this appliance.
The refrigerant circuit has been checked for leaks.

CE This appliance is in accordance with the following EU guidelines:
– 73/23/EWG dated 19 February 1973 - low voltage guidelines.
– 89/336/EWG dated 3 May 1989
(including guideline change notice 92/31/EWG) - EMV guideline

Customer Service

If you cannot find the remedy for a malfunction in these operating instructions, please contact your dealer or our customer service department. Addresses and telephone numbers are listed in the accompanying booklet "Guarantee Conditions/Customer Service Locations".
Selective ordering of replacement parts can save unnecessary travel and costs. For this reason always provide the following appliance information:

- Model Name
- Model Number (PNC)
- Serial Number (S-No.)



This information can be found on the rating plate in the interior at the left of the appliance. We recommend that you enter this information here, so that it is handy if needed.

Note: The customer bears the costs of unjustified customer service calls even during the guarantee period.

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The Electrolux Group is the world's largest producer of powered appliances for kitchen, cleaning and outdoor use. More than 55 million Electrolux Group products (such as refrigerators, cookers, washing machines, vacuum cleaners, chain saws and lawn mowers) are sold each year to a value of approx. USD 14 billion in more than 150 countries around the world.

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